

Bovine Anti-Growth Hormone Antibody ELISA Kit | GH elisa kit

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CATALOG #
AAA96411

REACTIVITY
Bovine

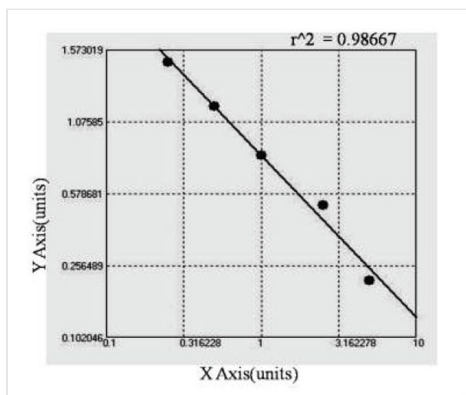
PRODUCT SYNONYMS

Anti-Growth Hormone Antibody; Bovine Anti-Growth Hormone Antibody ELISA Kit; GH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Anti-GH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine Anti-GH. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GH elisa kit	Principle of the Assay: Anti-GH ELISA kit applies the competitive enzyme immunoassay technique utilizing GH antigen and an Anti-GH-HRP conjugate. The assay sample and buffer are incubated together with Anti-GH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Anti-GH concentration since Anti-GH from samples and Anti-GH-HRP conjugate compete for the GH antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-GH from the sample, fewer sites are left to bind Anti-GH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-GH concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	183157
NCBI GeneID	2688
Molecular Weight	20,201 Da
NCBI Official Full Name	growth hormone
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; hGH-N; IGHD1B
NCBI Protein Information	somatotropin; pituitary growth hormone
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
UniProt Entry Name	SOMA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.